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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vladimir M. Kabakov
Serial No. 10/735,664
Filed: December 16, 2003
Title: TRANSVERSE WATERCRAFT PROPELLER
Group art unit: 3617
Examiner: Sherman Basinger

RESPONSE UNDER 37 CFR & 1.111

Box Non-Fee Amendment

Assistant Commissioner for Patents

Washington, D.C. 20231

Commissioner:

In response to the Notice of Non-Compliant Amendment dated February 7, 2005 and to meet the requirements of 37 CFR 1.121, Applicant submits page 20 of the specification in addition to the previously submitted corrected pages 7 and 21. The corrected paragraph on page 21 starts on page 20.

Sincerely,

Vladimir M. Kabakov

Enclosed:

1. Page 20 of the specification.

- said planetary gearbox includes three said radial output shaft disposed substantially perpendicular to the axis of said driving shaft and substantially 120 degrees from each other.

14. The propulsion apparatus of claim 8, wherein:

- two said planetary gearboxes are mounted on said driving shaft.

- each of said two planetary gearboxes includes two said radial output shafts disposed along a common axis perpendicular to the axis of said driving shaft and two said propelling means mounted on said radial output shafts, wherein:

- said planes of rotations of said propelling means mounted on said radial output shafts of one of said two planetary gearboxes are substantially perpendicular to said planes of rotations of said propelling means mounted on said radial output shafts of another said planetary gearbox.

15. A propulsion apparatus for propelling watercraft, including:

- at least one support rod disposed substantially perpendicular to the advancement direction of said watercraft;

- at least one planetary gearbox mounted on said support rod with ability to be rotated around the axis of said support rod, said planetary gear box having at least two radial output shafts disposed substantially perpendicular to said support rod, said radial output shafts being constrained by planetary gear engagement of said planetary gearbox to rotate with the speed of rotation of said planetary gearbox;

- at least two propelling means affixed perpendicular to said two radial output shafts, said propelling means including substantially flat propeller blades and counter-weights fixed on said propelling means and balanced so that the centers of gravity of said propelling means being disposed on the axes of said radial output shafts, said propeller blades being disposed substantially in planes of rotations of said propelling means around the axes of said radial output shafts.

16. The propulsion apparatus of claim 15, wherein:

- four said radial output shafts being disposed along two